



Seminar in Artificial Intelligence

Is It Real or Photoshopped? Automatic Detection of Photoshopped Face Images

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September 25, 2018

1:00pm

CUTR 102

Abstract:

This talk will look at why you might want to detect photoshopped face images, our approach to solving the problem, and how it might be generalized to work across different groups of people. You should not have to be a computer vision or biometrics researcher in order to appreciate the 'big picture' (no pun intended) of this work.

Bio:

Kevin Bowyer is the Schubmehl-Prein Family Professor of Computer Science and Engineering at the University of Notre Dame and also serves as Director of International Summer Engineering Programs.

Professor Bowyer's research interests range broadly over computer vision and pattern recognition, including biometrics and data mining. Professor Bowyer received a 2014 Technical Achievement Award from the IEEE Computer Society, with the citation "For pioneering contributions to the science and engineering of biometrics". Professor Bowyer is a Fellow of the IEEE, "for contributions to algorithms for recognizing objects in images"; a Fellow of the IAPR, "for contributions to computer vision, pattern recognition and biometrics"; and a Golden Core Member of the IEEE Computer Society.

Professor Bowyer is serving as the inaugural Editor-in-Chief for the new IEEE Transactions on Biometrics, Behavior and Identity Science, and as General Chair of the 2019 IEEE Winter Conference on Applications of Computer Vision. He has served as Editor-in-Chief of the IEEE Transactions on Pattern Analysis and Machine Intelligence and as Editor-In-Chief of the IEEE Biometrics Compendium, and is currently serving on the editorial board of IEEE Access. Professor Bowyer's most recent book is the Handbook of Iris Recognition, edited with Dr. Mark Burge.